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Application No.	091805,489	Prepared by	NH
Examiner-GAU	Healy - 2874	Date	2-17-4
		No. of queries	2
		Tracking Number	05892479
		Week Date	01/19/04
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a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

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Application Number	09/805,489
Filing Date	March 13, 2001
First Named Inventor:	Wayne V. Sorin
Art Unit	2874
Examiner Name	Healy, Brian
Attorney Docket Number	5489P045X

Sheet 1 of 2

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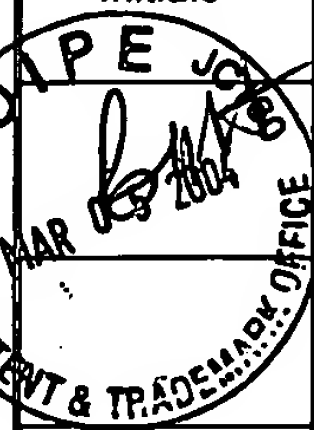
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		TW 382 662 B	02/21/2000	National Science Council		

B. Healy

3/23/04

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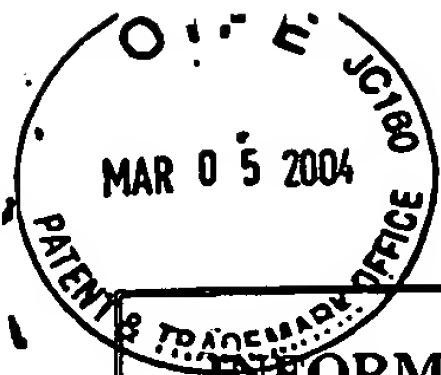
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				Application Number	09/805,489
				Filing Date	March 13, 2001
				First Named Inventor:	Wayne V. Sorin
				Art Unit	2874
				Examiner Name	Healy, Brian
				Attorney Docket Number	5489P045X
Sheet	2	of	2		
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		F. Shehadeh, R.S. Vodhanel, M. Krain, C. Gibbons, R.E. Wagner, and M. Ali, "Gain-Equalized, Eight-Wavelength WDM Optical Add-Drop Multiplexer with an 8-dB Dynamic Range, IEEE Photonic Technology Letters, Vol. 7, No. 9, pp. 1075-1077 (September 7, 1995)			

Examiner Signature		Date Considered	3/23/04
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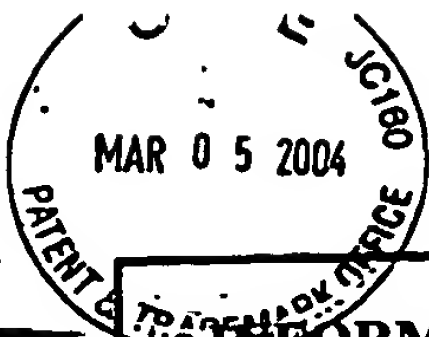
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	APPLICANT Sorin et al.						
	FILING DATE March 13, 2001		GROUP Unassigned 2874				
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
<i>BW</i>	6,151,157	11/21/00	Ball et al.	359	341		
<i>BW</i>	6,151,427	11/21/00	Satorius	385	7		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
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						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Ent	J.N. Blake, B.Y. Kim, H.E. Engan, and H.J. Shaw, "Analysis of intermodal coupling in a two-mode fiber with periodic microbends", Opt. Lett., vol. 12, 281-283 (1987).						
Ent	B.Y. Kim, J.N. Blake, H.E. Engan, and H.J. Shaw, "Acousto-optic frequency-shifting in two-mode optical fibers", OFS '86, Tokyo, Japan (October 8-10, 1986).						
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Ent	H.E. Engan, D. Östling, P.O. Kval, and J.O. Askautrud, "Wideband operation of horns for excitation of acoustic modes in optical fibers", Proc. OFS(10), Glasgow, 11th - 13th Oct. 1994, 568-571 (SPIE Proc. 2360).						
Ent	D. Östling and H.E. Engan, "Narrow-band acousto-optic tunable filtering in a two-mode fiber", Opt. Lett., vol. 20, 1247-1249 (1995)						
Ent	H.E. Engan, "Analysis of polarization mode coupling by acoustic torsional waves in optical fibers", J. Opt. Soc. Am. A., vol. 13, 112 - 118 (1996).						
Ent	D. Östling and H.E. Engan: "Spectral flattening by an all-fiber acousto-optic tunable filter", 1995 IEEE Ultrasonics Symposium, 837 - 840.						
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EXAMINER		B. Healy		DATE CONSIDERED		3/23/04	

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						YES
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
Burt	H.E. Engan, "Acoustic torsional waves used for coupling between optical polarization modes in optical fibers", 1996 IEEE Ultrasonics Symposium, 799-802					
Burt	D. Östling and H.E. Engan: "Acousto-optic tunable filters in two-mode fibers", Optical Fiber Technology, vol. 3, 177 - 183 (1997).					
Burt	B. Langli, P. G. Sinha and K. Bløtekjær, "Acousto-Optic Mode Coupling of Partially Coherent Light in Two-Mode Fibers", Optical Review, Vol.4, No.1A, pp.121-129, Jan./Feb. 1997.					
Burt	T.A. Birks, P.S.J. Russell and C.N. Pannell, "Low power acousto-optic device based on a tapered single-mode fiber", IEEE Photonics Technol. Lett., vol. 6, p. 725 - 727 (1994).					
Burt	M. Berwick and D.A. Jackson, "Coaxial optical-fiber frequency shifter", Opt. Lett., vol. 17, 270-272 (1992)					
Burt	J. Blake and P. Siemsen, "Practical compact high performance fiber-optic frequency shifter", Proc. 9 th OFS Conference, Firenze, pp. 301 - 304 (1993).					
Burt	W. P. Risk, G. S. Kino and H. J. Shaw, "Fiber-optic frequency shifter using a surface acoustic wave incident at an oblique angle", Optics Letters, Vol. 11, No. 2, pp 115-117, 1986.					
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Burt	S.F. Su, R. Olshansky, D.A. Smith and J.E. Baran, "Flattening of erbium-doped fibre amplifier gain spectrum using an acousto-optic tunable filter", Electron. Lett., vol. 29, p. 477 - 478 (1993).					
Burt	Yijiang Chen, "Acousto-optic frequency shifter using coaxial fibers", Optical and Quant. Elect., vol. 21, pp. 491 - 498 (1989).					
EXAMINER		B. Healy		DATE CONSIDERED		3/23/04

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		APPLICANT Kim et al.					
		FILING DATE 03/12/01		GROUP Unassigned 2874			
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	FILING DATE		
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
J. Ji, D. Uttam and B. Culshaw, "Acousto-optic frequency shifting in ordinary single-mode fibre", Electronics Letters, Vol. 22, No. 21, pp 1141-1142, 1986.							
C. N. Pannell, R. P. Tatam, J. D. C. Jones and D. A. Jackson, "Optical frequency shifter using linearly birefringent monomode fibre", Electronics Letters, Vol. 23, No. 16, pp 847-848, 1987.							
K. Nosu, H. F. Taylor, S. C. Rashleigh and J. F. Weller, "Acousto-optic phase modulator and frequency shifter for single-mode fibers", Ultrasonics Symposium, pp 476-481, 1983.							
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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 5489.P045X	Application Number: 09/805,489
Page 3 of 3		First Named Inventor: Wayne V. Sorin	
		Filing Date: March 13, 2001	
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
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		PCT Notification of Transmittal of the International Search Report, PCT/US01/15730, International Filing Date: 6/15/2001, Date of Mailing: 5/29/2002.	
		M.-Y. JEON et al., "An Electronically Wavelength Tunable Mode-Locked Fiber Laser Using an All-Fiber Acousto-Optic Tunable Filter", Proceedings of the 10th International Conference, Del Coronado, CA, May 28- June 1, 1996, pp. 20-21.	
		D. S. STARODUBOV et al., "All-Fiber Bandpass Filter with Adjustable Transmission Using Cladding-Mode Coupling", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 10, No. 11, November 1998, pp. 1590-1592.	
		M. G. XU et al., "Tunable fibre bandpass filter based on a linearly chirped fibre Bragg grating for wavelength demultiplexing", Electronics Letters, Vol. 32, No. 20, September 26, 1996, pp. 1918-1919.	
		K. SUGDEN et al., "Fabrication and Characterization of Bandpass Filters Based on Concatenated Chirped Fiber Gratings", Journal of Lightwave Technology, Vol. 15, No. 8, August 1997, pp. 1424-1432.	
		TIMOTHY E. DIMMICK et al., "All-Fiber Acousto-Optic Tunable Bandpass Filter", Optical Society of America, 2000, pp. 3 total.	
		IN KAG HWANG et al., "All-fiber-optic nonreciprocal modulator", Optics Letters, Vol. 22, No. 8, April 15, 1997, pp. 507-509.	

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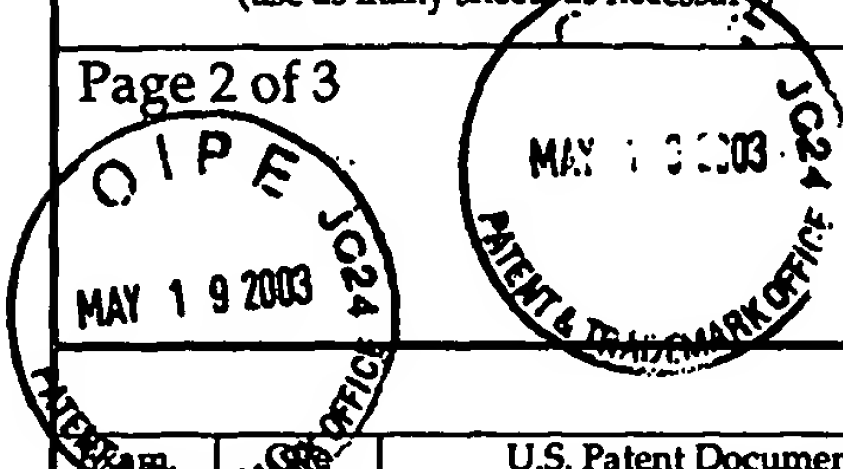
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Page 2 of 3	First Named Inventor: Wayne V. Sorin	
	Filing Date: March 13, 2001	



U.S. PATENT DOCUMENTS

Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
		5,991,476		Baney et al.	11/23/1999	
		6,021,237		Kim et al.	2/1/2000	
		6,104,856		Lampert	8/15/2000	
		6,233,379	B1	Kim et al.	5/15/2001	
		6,253,002	B1	Kim et al.	6/26/2001	
		6,266,462	B1	Kim et al.	7/24/2001	
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		6,289,699	B1	Kewitsch et al.	9/18/2001	
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		6,343,165	B1	Kim et al.	1/29/2002	
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		EP	0 221 560	A2	Aberson, James Ashley, Jr.	11/6/1986		

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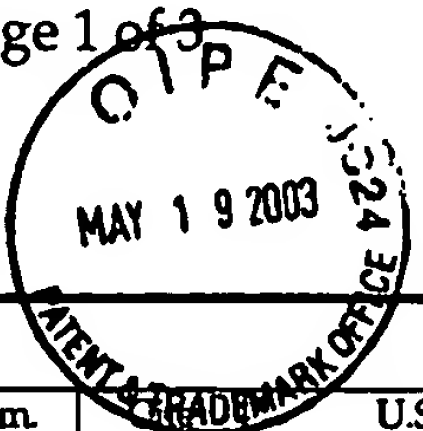
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		Number	Kind Code ² (If known)			
		4,768,851		Shaw et al.	9/6/1988	
		4,781,425		Risk et al.	11/1/1988	
		4,971,417		Krinsky et al.	11/20/1990	
		5,022,732		Engan et al.	6/11/1991	
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		KR	1997-24796		KIM, Byung Yoon	6/16/1997		
		DE	3430766	A1	Stocker, Helmut	8/21/1984		
		EP	0 143 583	A2	Shaw, Herbert John	11/15/1984		
		EP	0 144 190	A2	Shaw, Herbert John	11/20/1984		

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